

(PCT Article 36 and Rule 70)

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/001941

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-29 as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- nos. 2, 3, 5, 7, 8 as originally filed/furnished
- nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- nos.\* 4, 9, 11, 12 received by this Authority on 25.07.2005
- nos.\* 1, 6, 10 received by this Authority on 22.03.2006
- ☐ the drawings:
- sheets \_\_\_\_\_ as originally filed/furnished
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

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**Box No. III** Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application

☒ claims Nos. 10-12

because:

☐ the said international application, or the said claims Nos. \_\_\_\_\_  
relate to the following subject matter which does not require an international preliminary examination (*specify*):

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. \_\_\_\_\_  
are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. \_\_\_\_\_ are so inadequately supported  
by the description that no meaningful opinion could be formed.

☒ no international search report has been established for said claims Nos. 10-12

☐ the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:

the written form

☐ has not been furnished

☐ does not comply with the standard

the computer readable form

☐ has not been furnished

☐ does not comply with the standard

☐ the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-*bis* of the Administrative Instructions.

☐ See Supplemental Box for further details.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																					
1.	<p>Statement</p> <table><tbody><tr><td rowspan="2">Novelty (N)</td><td>Claims</td><td></td><td>YES</td></tr><tr><td>Claims</td><td>1-9</td><td>NO</td></tr><tr><td rowspan="2">Inventive step (IS)</td><td>Claims</td><td></td><td>YES</td></tr><tr><td>Claims</td><td>1-9</td><td>NO</td></tr><tr><td rowspan="2">Industrial applicability (IA)</td><td>Claims</td><td>1-9</td><td>YES</td></tr><tr><td>Claims</td><td></td><td>NO</td></tr></tbody></table>	Novelty (N)	Claims		YES	Claims	1-9	NO	Inventive step (IS)	Claims		YES	Claims	1-9	NO	Industrial applicability (IA)	Claims	1-9	YES	Claims		NO
Novelty (N)	Claims			YES																		
	Claims	1-9	NO																			
Inventive step (IS)	Claims		YES																			
	Claims	1-9	NO																			
Industrial applicability (IA)	Claims	1-9	YES																			
	Claims		NO																			
2.	<p>Citations and explanations (Rule 70.7)</p> <p>Document 1: JP 2003-147306 A (Fujitsu Limited), 21 May 2003</p> <p>Document 2: JP 2003-45228 A (Hitachi Chemical Co., Ltd.), 14 February 2003</p> <p>Document 3: JP 2000-290617 A (Asahi Chemical Industry Co., Ltd.), 17 October 2000</p> <p>Document 4: JP 2000-192000 A (Asahi Chemical Industry Co., Ltd.), 11 July 2000</p> <p>Document 5: JP 9-53001 A (Admatechs KK), 25 February 1997</p> <p>The invention set forth in claims 1 to 9 lacks novelty and does not involve an inventive step in the light of documents 1 to 5 cited in the international search report.</p> <p>Document 1 sets forth an epoxy resin containing a compound having a polycyclic aromatic ring structure such as a naphthalene ring of dihydroxy naphthalene diglycidyl ether or the like; document 2 sets forth an epoxy resin hardener containing acid anhydride such as phthalic anhydrides; document 3 sets forth a conductive filler of silver particles and the like; document 4 sets forth a hardening accelerator; and document 5 sets forth a conductive adhesive containing commonly-used additives</p>																					

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

such as silane coupling agents. Documents 1 to 5 also set forth a feature wherein the composition ratio of conductive filler in relation to other binder components is a multiple of 2 to 10 by weight, or approximately 30% to 70% by volume.

Comparing the invention set forth in claims 1 to 9 of this application with the inventions set forth in documents 1 to 5, in the invention set forth in claims 1 to 9, a substance obtained by condensing a cyclic acid anhydride part with a cyclic hydrocarbon skeleton with a total of 8 or more carbon atoms is used as an acid anhydride hardener, while in documents 1 to 5, there is no specific disclosure concerning the use of said specific acid anhydride hardener, which may appear at a glance to constitute a difference, but examining the content of the description of this international application (especially the comparison of the results of implementation of comparative example 1 and comparative example 2), there is no technical creativity involved in selecting said acid anhydride, therefore no technical difference is acknowledged.

Therefore there is no effective technical (conceptual) difference between the invention set forth in claims 1 to 9 of this application and the inventions set forth in documents 1 to 5.